

Syndecan-1/CD138 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P77853
Synonyms:	Syndecan-1; SYND1; CD138; SDC1; SDC; SDC1
Species:	Mouse
Source:	HEK293
Accession:	P18828 (Q23-G255)
Gene ID:	20969
Molecular Weight:	85-110 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Syndecan-1/CD138 Protein is a cell surface proteoglycan that incorporates both heparan sulfate and chondroitin sulfate, playing a crucial role in connecting the cytoskeleton to the interstitial matrix. It collaborates with SDCBP and PDCD6IP to regulate the biogenesis of exosomes. Additionally, Syndecan-1/CD138 Protein has the ability to trigger its own expression in dental mesenchymal cells and neighboring dental epithelial cells through an MSX1-mediated pathway. It interacts with CDCP1 and TIAM1, specifically binding to the PDZ domain of TIAM1 via its C-terminus. Furthermore, Syndecan-1/CD138 Protein interacts with MDK, contributing to various cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA